

APPLICANTS: Wands, et al.

FILED: Herewith

In the claims:

Cancel claims 1-28 and 37-38.

Amend claim 34 and add new claims 39-58

A 2 *A 1*
34. A kit for diagnosis of a tumor in a mammal, comprising a monoclonal antibody that binds to an epitope of HAAH.

A 3 *A 2*
39. The antibody of claim 29, wherein said antibody is a HAAH-binding fragment of FB50.

40. The antibody of claim 39, wherein said fragment is a FB50 Fab or (Fab)₂ fragment.

41. The antibody of claim 39, wherein said antibody is a FB50 single chain Fv molecule.

42. The antibody of claim 29, wherein said antibody is a single chain Fv molecule.

43. The antibody of claim 29, wherein said epitope is on the surface of a cell

44. The antibody of claim 29, wherein said antibody is FB50.

A 4 *A 9*
45. The composition of claim 33, wherein said antibody is a HAAH-binding fragment of FB50.

46. The composition of claim 33, wherein said antibody is a FB50 Fab or (Fab)₂ fragment.

47. The composition of claim 33, wherein said antibody is a FB50 single chain Fv molecule.

48. The composition of claim 33, wherein said antibody is a single chain Fv molecule.

49. The composition of claim 33, wherein said antibody binds to an HAAH epitope on the surface of a cell.

50. The composition of claim 33, wherein said antibody is FB50.

51. The composition of claim 33, wherein said cytotoxic agent is ricin.

A 5 *A 1*
52. The composition of claim 33, wherein said cytotoxic agent is diphtheria toxin.

53. The kit of claim 34, wherein said antibody is a HAAH-binding fragment of FB50.

54. The kit of claim 34, wherein said antibody is a FB50 Fab or (Fab)₂ fragment.

55. The kit of claim 34, wherein said antibody is a FB50 single chain Fv molecule.

56. The kit of claim 34, wherein said antibody is a single chain Fv molecule.

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57. The kit of claim 34, wherein said HAAH epitope on the surface of a cell.
58. The kit of claim 34, wherein said antibody is FB50.

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